1. Incident Name:

Sturgeon River US-41 Gasoline Spill

2. Operational Period:

Starting: February 9, 2018, 0830

End: February 9, 2018, 1900

IAP Cover Sheet

3. Approved by Incident Commander(s):

Ralph Dollhopf, U.S. EPA 2/8/18 400

Amy Keranen, Michigan Department of Environmental Quality

Rich Baron, Kenan Advantage Group

Cathryn Beer, WUPHD

Chris Van Arsdale, Houghton County EM

Incident Action Plan

The items below are included in this Incident Action Plan:

- ICS 202 (Response Objectives)
- ICS 203 (Organization Assignment List)
- ICS 204 (Assignment List)



7. Prepared by: Name: <u>Jed Chrestensen</u> Position/Title: <u>Planning Section Chief Signature</u>:

INCIDENT OBJECTIVES (ICS 202)

Incident Name: Sturgeon River US-41 Gasoline Spill	2. Operational Period:		Date To: 2-9-18				
3. Objective(s):		Time From: 08:30	Time To: 19:00				
Protect public safety.							
Protect worker safety.							
Recover product from the river.							
Remove product spilled onto the land.							
Assess potential down river impacts.							
Develop Work Plan for all elements of long-term recover	ery phase.						
4.0000000000000000000000000000000000000							
4. Operational Period Command Emphas	is:						
Continue additional air monitoring in residential areas. Continue assessment of river for gasoline below the ice							
Monitor for gasoline on the ice or outside of the sheet pi Continue hauling impacted soil.	ling.						
Recovery of product accumulation below the bridge	o for dual phase sector		990 M N 100 100 N N 100 10				
Begin consideration of intermediate engineering controls	s for dual phase containment an	d recovery of spilled product are	ound and under the bridge.				
General Situational Awareness							
Product recovery from the banks continues. Public healt	h considerations are ongoing. R	iver assessment is underway.	v.				
5. Site Safety Plan Required? Yes V No							
Approved Site Safety Plan(s) Located at: Command center trailer							
6. Incident Action Plan (the items checked	below are included in this	Incident Action Plan):					
✓ ICS 202 ☐ ICS 206	<u>C</u>	Other Attachments:					
✓ ICS 203 ☐ ICS 207	▼	Traffic Control Plan					
 ✓ ICS 204 ☐ ICS 208 ☐ Map/Chart 							
	-1/T: 1 (0						
7. Prepared by: Name: Jed Chrestensen	st/Tides/Currents	- Continu Ohiof	Har				
8. Approved by Incident Commander: Nar	- 0 00000000000000000000000000000000000	Section Chief Signature	THE STATE OF THE S				
		Signature:	W. D.				
ICS 202 IAP Page 2	Date/Time: 2	1017 1400					

ORGANIZATION ASSIGNMENT LIST (ICS 203)

Gasoline Spill	Sturgeon River US-41				om: 2-9-18 Date To: 2-9-18 om: 08:30 Time To: 19:00		
3. Incident Commander(s)/ Agency Incident Coordinator and Command Staff: (include location)			7. Operations Section:				
☐ IMT IC/UCs	Unified Command	nified Command		Tom Anthos	906-360-1545		
☐ IMG AIC			Deputy	Dan Capone	517-881-8837		
Deputy			Staging Area				
Safety Officer	Tom Anthos 906-360-154	-5	Branch	River Assessment a	nd Pecovery		
Public Info. Officer			Branch Director	Mylan Koski	906-360-4027		
Liaison Officer			Deputy	Brandon Ray	269-719-5541		
4. Agency/Organiza	ation Representatives:		Division/Group	Assessment	906-360-4027		
Agency/Organization	Name		Division/Group	Recovery	269-719-5541		
USEPA	Ralph Dollhopf 231-	301-0559	Division/Group		200 7 10 00 11		
MDEQ	Amy Keranen 906-2	31-6060	Division/Group				
TriMedia	Tom Anthos 906-36	0-1545	Division/Group				
Kenan Advantage Grou	Richard Baron 248-3	310-9720	Branch	Bank R	ecovery		
WUPHD	Cathryn Beer 906-20	01-2342	Branch Director	James Deliefde	734-277-7103		
Houghton County EM	A Chris Van Arsdale 9	06-281-8170	Deputy				
5. Planning Section	:		Division/Group				
C	hief Dan Capone 517-88	1-8837	Division/Group				
Dep	outy		Division/Group				
Resources U	Jnit		Division/Group				
Situation U	Jnit		Division/Group				
Documentation Unit		Branch	Air Monitorin	g and Sampling			
Demobilization Unit		Branch Director	Ashley Miller	330-646-7870			
Technical Specialists		Deputy	Actively willer	300-040-7070			
			Division/Group	TriMedia	906-360-0024		
			Division/Group	EPA START	330-646-7870		
			Division/Group		000 010 1010		
6. Logistics Section	:		Division/Group				
Cr	nief Tom Anthos 906-360)-1545	Division/Group				
Dep	uty		Branch				
Support Bran	ich	表情的	Branch Director				
Direc	etor						
Supply U	Init						
Facilities U	Init Traffic Control-Hans H	Haapala	8. Finance/Administra	ation Section:			
Ground Support U	Init		Chief	Marlin Zechman 610-	-968-9500		
Service Bran	ch		Deputy	maini Zoonnan oro	000 0000		
Direc	tor		Time Unit				
Communications U	nit		Procurement Unit				
Medical Unit		Comp/Claims Unit					
Food U	nit		Cost Unit		111		
9. Prepared by: Nam	ne: Jed Chrestensen	Position/T	itle: Planning Section (ChiefSignature:	ed (A)		
ICS 203	IAP Page3		e: 2-8-18 14:02	Name of the State			

1. Incident Name:		2. Operation			3.		
Sturgeon River US-41 Gaso	line Spill	Date From: Time From:	Branch:				
4. Operations Person	Bank Recovery						
Operations Section C	hief Tom A	nthos 906-360-1	1545	Contact Number(s)	Division:		
			0.0010000000000000000000000000000000000		Group:		
Branch Dire	ctor: James	Deliefde 734-2	77-7103	3	Staning Areas		
Division/Group Super	visor:				Staging Area:		
5. Resources Assign			S		Reporting Location,		
Resource Identifier	Leader		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Special Equipment and Supplies, Remarks, Notes, Information		
Matt Stenberg	UPE				spill site		
Mark Stenberg	UPE				spill site		
Rob Bloniaiz	UPE				spill site		
Ray Coovim	UPE				spill Site		
Mylan Koski	TriMedia Field	Ops		906/360-4027	spill site		
Brian Bonen	B&B			906/281-2587	Spill site		
Hans Haapala	B&B Traffic Co	ntrol		906/281-6908	Trucking and loading areas		
Mitch Large	B&B				Spill Site		
Joe Lamponin	B&B						
Adam Kiddle	TriMedia			235-3755	Staging Area Waste ticketing		
Meet with all Truck Drivers and Traffic Control Personnel to discuss traffic and loading control plan Prep equipment for excavation loading hauling and backfill/restoration Line trucks with poly to support waste hauling activities Remove surface impacted materials and impacted ice with long stick excavator (if needed) Remove impacted soils at release area North and South locations Perform soil impact delineation at rivers edge back to main spill area during excavation Load and truck impacted materials to Waste Management Landfill (site and stockpile) Manage waste ticketing/manifest Traffic Control							
7. Special Instruction	is:						
Traffic Control and personnel safety must be a focus during this period of significantly increased heavy equipment activity. Air monitoring and the high potential for increased VOC vapors during excavation and loading activities will be a concern and will be monitored							
8. Communications (8. Communications (radio and/or phone contact numbers needed for this assignment):						
Name/Function							
all parties /							
/							
9 Proposed by N	Tom Anthon			One Sealing Older			
9. Prepared by: Name: Tom Anthos Position/Title: Ops Section Chief Signature				ture:			
ICS 204	IAP Page	4	Date	Time: 2/8/18 /4:26			

		2. Operation Date From	: 2-9-18	Date To: 2-9-18	3.	
Time From: 08:30 Time To: 19:00					Branch: Rv Assess & Rec	
4. Operations Personnel: Name Contact Number(s)					Division:	
Operations Section (Chief: Tom A	anthos 906-360-	1545		Assessment	
Branch Dire	ector: Mylan	Koski 906-360-	-4027		Group:	
Division/Group Super	rvisor: Mylan	Koski 906-360-	-4027		Staging Area:	
5. Resources Assig	and the same of th		(O		Reporting Location,	
Resource Identifier	Leader		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Special Equipment and Supplies, Remarks, Notes, Information	
Ken Decker	SWAT			269/209-2359		
Dan Capone	EPA START			517-881-8837		
Kodi Harkins	SWAT					
Chris Tiede	TriMedia Safe	ty		906-235-8148		
Bootjack Fire Dept	Mark Serotzke	9		815-739-5193		
Mylan Koski	TriMedia Field	Ops		906-360-4027		
Prep air boat Coordinate with Bootjack Fire Dept with recovery craft in the event of a rescue Lead recon team collecting water column samples (upriver and downriver) Auger holes down river and perform visual and PID monitoring to assess migration path Document all assessment locations with GPS to populate GIS Figure						
7. Special Instruction	ns:					
Discuss water evacuation and warming plan in the event of ice rescue Appropriate dress and PPE for the task						
8. Communications (radio and/or phone contact numbers needed for this assignment): Name/Function all parties / / / / / / / / / / / / /						
9. Prepared by: Name: Tom Anthos Position/Title: Ops Section Chief Signate					ture:	
ICS 204 IAP Page 5 Date/Time: 2/8/18 14:26						

1. Incident Name: 2. Operational Period:				3.		
Sturgeon River US-41 Gasoline Spill		Date From: 2-9-18 Date To: 2-9-18			Branch:	
Time From: 08:30 Time To: 19:00					Rv Assess & Rec	
4. Operations Person	nnel: Name			Contact Number(s)	Division:	
Operations Section C	hief: Tom Ar	nthos 906-360-	1545		River Recovery	
Branch Dire	ctor: Mylan I	Koski 906-360-	-4027		SC 7 St 90 - 400	
Division/Group Super	visor: Brando	n Ray 269-719	9-5541		Staging Area:	
5. Resources Assign	red:		Ø		Reporting Location,	
Resource Identifier	Leader		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Special Equipment and Supplies, Remarks, Notes, Information	
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Brandon Ray	SWAT			269-719-5541		
Mark Brown	SWAT					
Kodi Harkins	SWAT					
Chris Tiede	TriMedia Safet	y		906-235-8148		
Bootjack Fire Dept	Mark Serotzke			815-739-5193		
Mylan Koski	TriMedia Field	Ops		906-360-4027		
Discuss sequencing with Team and Excavator operator Maintain boom curtain at western edge and northern edge of surface ice impact area Continue to remove impacted water with Vac Truck, if present Work with landward operators to remove impacted materials						
7. Special Instruction	is:					
Discuss water evacuation an		in the event of	ice resc	ue		
8. Communications (radio and/or phone contact numbers needed for this assignment):						
Name/Function Primary Contact: indicate cell, pager, or radio (frequency/system/channel)						
9. Prepared by: Name	e: Tom Anthos		Positi	on/Title: Ops Section Chief Signat	Tire: (
ICS 204	IAP Page			Time: 2/8/2018 14:26	uie.	
	I'AI Fage		Date	Time. 0 0 2010 11.00		

Sturgeon River US-41 Gasoline Spill Date From: 24-18 Time From: 08:30 Time Fro: 19:00 Al Operations Personnel: Name Contact Number(s) Division: Group: Tri/Modia Staging Area: Contact Number(s) Group: Tri/Modia Staging Area: Group: Tri/Modia Staging Area: Group: Tri/Modia Group: Tri/M	1. Incident Name:		2. Operation	nal P	eriod:	3.		
Air Mon & Sample Division: Operations Personnel: Name Operations Section Chief: Tom Anthos 906-360-1545 Branch Director: Ashiey Miller 330-646-7870 Division/Group Supervisor: Brett Bonsel 906-360-0024 5. Resources Assigned: Resource Identifier Leader Brett Bonsel TriMedia Secsion-0024 Second TriMedia Secsion-0024 Special Equipment and Supplies, Remarks, Notes, Information Information Information Information Special Equipment and Supplies, Remarks, Notes, Information Information Information Special Equipment and Supplies, Remarks, Notes, Information Information Information Special Equipment and Supplies, Remarks, Notes, Information Information Information Information Information Spill Site 6. Work Assignments: Work Assignments: Work Assignments: Work Area monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Perimeter Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Perimeter Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Spingling using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Record all readings and locations for delivery to GIS for updates to daily air monitoring figures 7. Special Instructions: Report immediately to Ops section Chief and FOSC if LEL exceed 10%, VOCs Exceed 50ppm, or Benzene is detected above 0.1 ppm. 8. Community Air Spingling using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Spingling using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Record all readings and locations for delivery to GIS for updates to daily air monitoring figures 7. Special Instructions: Report immediately to Ops section Chief and FOSC if LEL exceed 10%, VOCs Exceed 50ppm, or Benzene is detected above 0.1 ppm. 8. Community Air Spingling Learning Section Chief Signature: 9. Primary Contact: Indicate cell, pager, or radio (frequency/system/channel) Contact through numbers listed above 9. Prepared by: Name: 9. Prepared by: Na	Sturgeon River US-41 Gaso	Sturgeon River US-41 Gasoline Spill Date From: 2-9-18 Date To: 2-9-18		Branch:				
Operations Section Chief: Tom Anthos 906-360-1545 Branch Director: Ashley Miller 330-646-7870 Division/Group Supervisor: Brett Bonsel 906-360-0024 5. Resource John Chief: Leader Staging Area: Contact (e.g., phone, pager, radio frequency, etc.) Information Supplies, Remarks, Notes, Information Perit Bonsel TriMedia 906-360-0024 Adam Kiddle TriMedia 906-360-0024 Spill Site 906-235-3755 Spill Site 6. Work Assignments: Work Area monitoring using Multi-RAE and Ultra-RAE (VOCs, LEL, and Benzene) see map for locations Perimeter Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Record all readings and locations for delivery to GIS for updates to daily air monitoring figures 7. Special Instructions: Report immediately to Ops section Chief and FOSC if LEL exceed 10%, VOCs Exceed Soppm, or Benzene is detected above 0.1 ppm. 8. Communications (radio and/or phone contact numbers needed for this assignment): Name/Function Primary Contact: indicate cell, pager, or radio (frequency/system/channel) contact through numbers listed above 9. Prepared by: Name: ded Chrestensen Position/Title: Planning Section Chief Signature:	4 Onesetiene Bener	and New		08:30				
Branch Director: Ashley Miller 330-86-7870 Division/Group Supervisor: Brett Bonsel 906-360-0024 5. Resources Assigned: Contact (e.g., phone, pager, radio frequency, etc.) Resource Identifier Leader 906-360-0024 Special Equipment and Supplies, Remarks, Notes, Information Firett Bonsel 77Media 906-360-0024 Spill Site 906-235-3755 Spill Sit	4. Operations Persoi				<u>Contact Number(s)</u>			
Branch Director: Division/Group Supervisor: Brett Bonsel 906-360-0024	Operations Section C	hief: Tom A	nthos 906-360-1	545		Group:		
Staging Area: Division/Group Supervisor: Pirett Bonsel 906-360-0024	Branch Dire	ctor: Ashley	Miller 330-646-	7870				
S. Resources Assigned: Resource Identifier Leader Brett Bonsel TriMedia 906-360-0024 Spill Site Spill								
Resource Identifier Leader TriMedia 905-360-0024 Spill Site S		V1001.	onsel 906-360-0	0024				
Brett Bonsel TriMedia 906-360-0024 Spill Site Adam Kiddle TriMedia 906-235-3755 Spill Site 906	5. Resources Assign	ied:		Suc				
Adam Kiddle TriMedia 906-235-3755 Spill Site 6. Work Assignments: Work Area monitoring using Multi-RAE and Ultra-RAE (VOCs, LEL, and Benzene) see map for locations Perimeter Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Record all readings and locations for delivery to GIS for updates to daily air monitoring figures 7. Special Instructions: Report immediately to Ops section Chief and FOSC if LEL exceed 10%, VOCs Exceed 50ppm, or Benzene is detected above 0.1 ppm. 8. Communications (radio and/or phone contact numbers needed for this assignment): Name/Function Primary Contact: indicate cell, pager, or radio (frequency/system/channel) contact through numbers listed above 7. Prepared by: Name: Jed Chrestensen Position/Title: Planning Section Chief Signature:	Resource Identifier	Leader		# of Perso		Supplies, Remarks, Notes,		
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8. Communications (radio and/or phone contact numbers needed for this assignment): Name/Function all parties / / 9. Prepared by: Name: Jed Chrestensen Position/Title: Planning Section Chief Signature:	Work Area monitoring using Multi-RAE and Ultra-RAE (VOCs, LEL, and Benzene) see map for locations Perimeter Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Sampling (Summa cans at both residential dwellings) see map for locations							
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Name/Function Primary Contact: indicate cell, pager, or radio (frequency/system/channel) contact through numbers listed above Co	Report infinediately to Ops section Unier and FOSC if LEL exceed 10%, VOCs Exceed 50ppm, or Benzene is detected above 0.1 ppm.							
Name/Function Primary Contact: indicate cell, pager, or radio (frequency/system/channel) contact through numbers listed above Co								
1 osition Title.	Name/Function Primary Contact: indicate cell, pager, or radio (frequency/system/channel)							
1 osition Title.			* ************************************		-			
1 osition Title.								
ICS 204 IAP Page 7 Date/Time: 2-8-18 14:00	9. Prepared by: Name	e: Jed Chreste	ensen	Posit		ture:		
	ICS 204	IAP Page	7	Date	/Time: 2-8-18 14:00	1		

1. Incident Name:	3.						
Sturgeon River US-41 Gaso	Comparison Com			Branch:			
4. Operations Perso	Air Mon & Sample						
Operations Section C	Chief: Tom A	nthos 906-360-1545		Division.			
Branch Dire	ector: Ashlev	Miller 330-646-7870		Group:			
				EPA-START Staging Area:			
Division/Group Super	11001.	Miller 330-646-7870					
5. Resources Assign	ned:	# of Persons		Reporting Location, Special Equipment and			
Resource Identifier	Resource Identifier Leader		Contact (e.g., phone, pager, radio frequency, etc.)	Supplies, Remarks, Notes, Information			
Ashley Miller	EPA START		330-646-7870	Spill site			
Cordell Renner	EPA START		847-913-2904	Spill Site			
Evan Birkett	EPA		734-536-3292	Spill Site			
6. Work Assignments: Work Area monitoring using Multi-RAE and Ultra-RAE (VOCs, LEL, and Benzene) see map for locations Perimeter Monitoring using Area RAEs, Multi-RAE, and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Area RAEs, Multi-RAE, and Ultra-RAE (VOCs and Benzene) see map for locations Residences Air Monitoring using Multi RAE and Ultra-RAE (VOCs and Benzene) see map for locations Record all readings and locations for delivery to GIS for updates to daily air monitoring figures							
7. Special Instruction		1 FOCO (4) F1	10% 1/00 5				
Report immediately to Ops section Chief and FOSC if LEL exceed 10%, VOCs Exceed 50ppm, or Benzene is detected above 0.1 ppm.							
8. Communications (radio and/or phone contact numbers needed for this assignment):							
Name/Function			entact: indicate cell, pager, or radio (fr	equency/system/channel)			
all parties / contact through numbers listed above							
9. Prepared by: Nam	e: Jed Chreste	ensen Posit	ion/Title: Planning Section Chief Signa	ture: N.W.			
ICS 204	IAP Page		/Time: 2-8-18 14:00				

Traffic Control Plan Sturgeon River US-41 Gasoline Spill 2-9-18

- Truck drivers, flaggers, box-lining staff, and operators will attend an 08:00 (or earlier) safety meeting to go over the haul route, traffic flow, and safety.
- The west driveway will be inbound traffic and the east driveway will be outbound traffic.
- All trucks will stage on the east side of DP Construction's shop.
- Trucks will be going past the office trailer so use caution when entering/exiting the office trailer area.
- Trucks drivers are to stay in their trucks unless they need to use the sanitary facilities adjacent to the office trailer.
- Hans Haapala of B&B Contracting or his designee will direct trucks on when to leave staging and where to go to load.
- Communications will be via cell phone and potentially radio from the staging area to the work site.
- Chassell Township School was notified of the expected traffic increase. The school will send a notice to parents.
- Busses load at the school at approximately 3:20 pm and there are several students who walk home from school during that time period. Hans Haapala will notify all drivers of the school schedule.
- No smoking.

Last load will leave the site at 3pm.

Signed.

TOM A-THOS

Title: OPS SECTION CHIEF

Date: 2.8.2018

